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EUROPEAN PATENT APPLICATION

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⑤④ **A process for preparing artificial red cells.**

⑤⑦ A process for preparing artificial red cells comprising microdroplets of aqueous, stroma-free haemoglobin solution encapsulated in membranes of polymerized haemoglobin, said process comprising forming microdroplets of haemoglobin solution in a continuous oil phase and cross-linking the haemoglobin at the surface of the microdroplets with a suitable oil-soluble cross-linking agent to form the artificial red cells and recovering the cells. The oil-soluble cross-linking agent is present in the oil phase containing the haemoglobin microdroplets and the red cells are removed from the oil phase by contacting same with an aqueous suspending phase containing a surfactant having an HLB of at least 9.

EP 0 038 172 A3



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 3)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
A	CHEMICAL ABSTRACTS, vol. 89, no. 2, 10th July 1978, page 363, no. 12043s Columbus, Ohio, U.S.A. M. ARAKAWA et al.: "Some biophysical and biochemical properties of poly(phthaloyl L-lysine) microcapsules containing hemolysate" & CAN. J. PHYSIOL. PHARMACOL. 1977, 55(6), 1378-1382 * Abstract *	1-3	A 61 K 9/50 37/14
A	GB - A - 1 540 461 (DAMON CORP.) * Claims *	1-3	TECHNICAL FIELDS SEARCHED (Int. Cl. 3)
DA	US - A - 4 001 401 (P. BONSEN et al.) * Claims *	1-3	A 61 K 37/14 35/14 9/50 B 01 J 13/02
DA	US - A - 4 133 874 (I. MILLER et al.) * Claims *	1-3	
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
☒ The present search report has been drawn up for all claims			&: member of the same patent family. corresponding document
Place of search The Hague		Date of completion of the search 19-10-1981	Examiner RIJCKEBOSCH